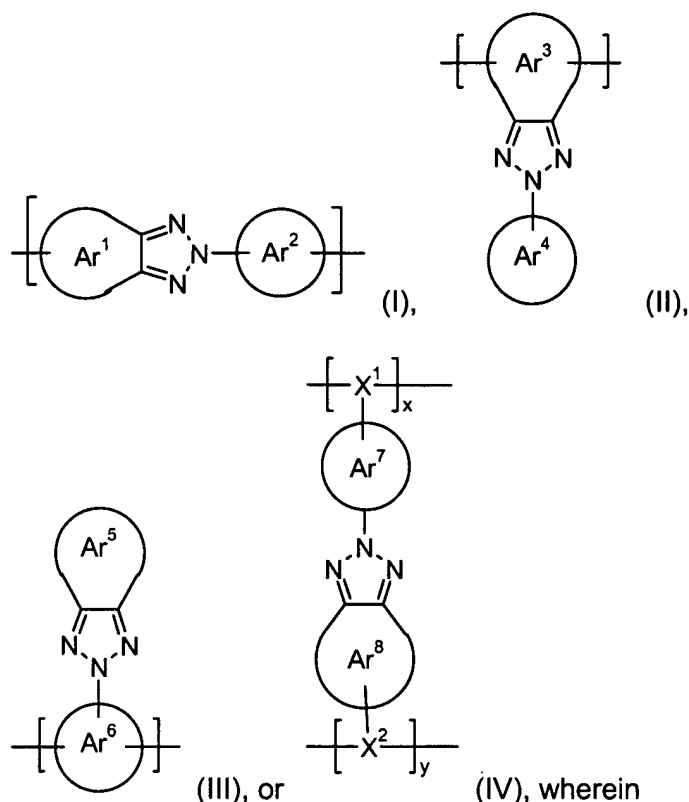


In the claims:

**1. (currently amended):** A polymer comprising a repeating unit of the formula

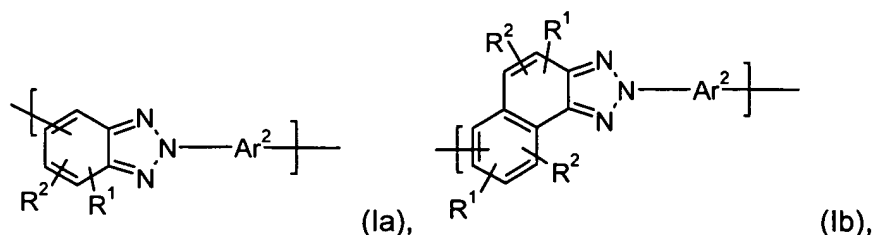


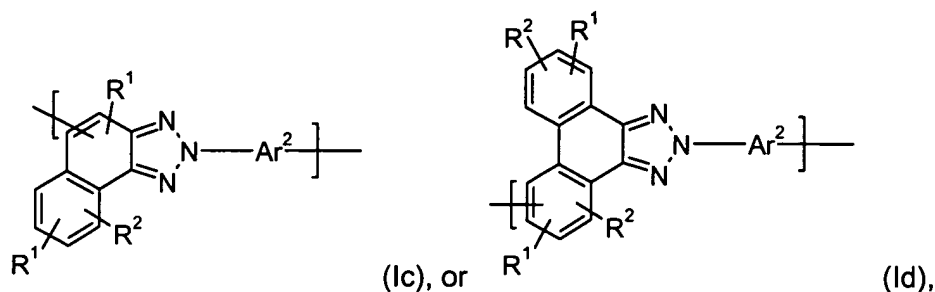
x and y are independently of each other 0 or 1,

$X^1$  and  $X^2$  are independently of each other a divalent linking group,

$Ar^1$ ,  $Ar^2$ ,  $Ar^3$ ,  $Ar^4$ ,  $Ar^5$ ,  $Ar^6$ ,  $Ar^7$  and  $Ar^8$  are independently of each other an aryl group, or a heteroaryl group, which can optionally be substituted, ~~especially a  $C_6$ - $C_{30}$  aryl group, or a  $C_2$ - $C_{26}$  heteroaryl group, which can optionally be substituted.~~

**2. (currently amended):** A polymer according to claim 1, comprising a repeating unit of the formula





wherein  $Ar^2$  is as defined in claim 1,

$R^1$  and  $R^2$  are independently of each other H, halogen,  $SO_3^-$ ,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_1$ - $C_{18}$ perfluoroalkyl,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ - $C_{20}$ heteroaryl which is substituted by G,  $C_2$ - $C_{18}$ alkenyl,  $C_2$ - $C_{18}$ alkynyl,  $C_1$ - $C_{18}$ alkoxy,  $C_1$ - $C_{18}$ alkoxy which is substituted by E and/or interrupted by D,  $C_7$ - $C_{25}$ aralkyl, or  $-CO-R^{28}$ ,

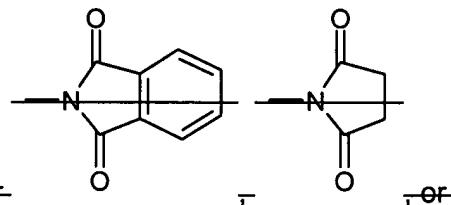
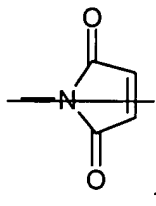
or two substituents  $R^1$  and  $R^2$ , which are adjacent to each other, are a group , or

D is  $-CO-$ ;  $-COO-$ ;  $-S-$ ;  $-SO-$ ;  $-SO_2-$ ;  $-O-$ ;  $-NR^{25}-$ ;  $-SiR^{30}R^{31}-$ ;  $-POR^{32}-$ ;  $-CR^{23}=CR^{24}-$ ; or  $-C\equiv C-$ ; and

E is  $-OR^{29}$ ;  $-SR^{29}$ ;  $-NR^{25}R^{26}$ ;  $-COR^{28}$ ;  $-COOR^{27}$ ;  $-CONR^{25}R^{26}$ ;  $-CN$ ;  $-OCOOR^{27}$ ; or halogen; G is E, or  $C_1$ - $C_{18}$ alkyl, wherein

$R^{23}$ ,  $R^{24}$ ,  $R^{25}$  and  $R^{26}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ; or

$R^{25}$  and  $R^{26}$  together form a five or six membered ring, in particular



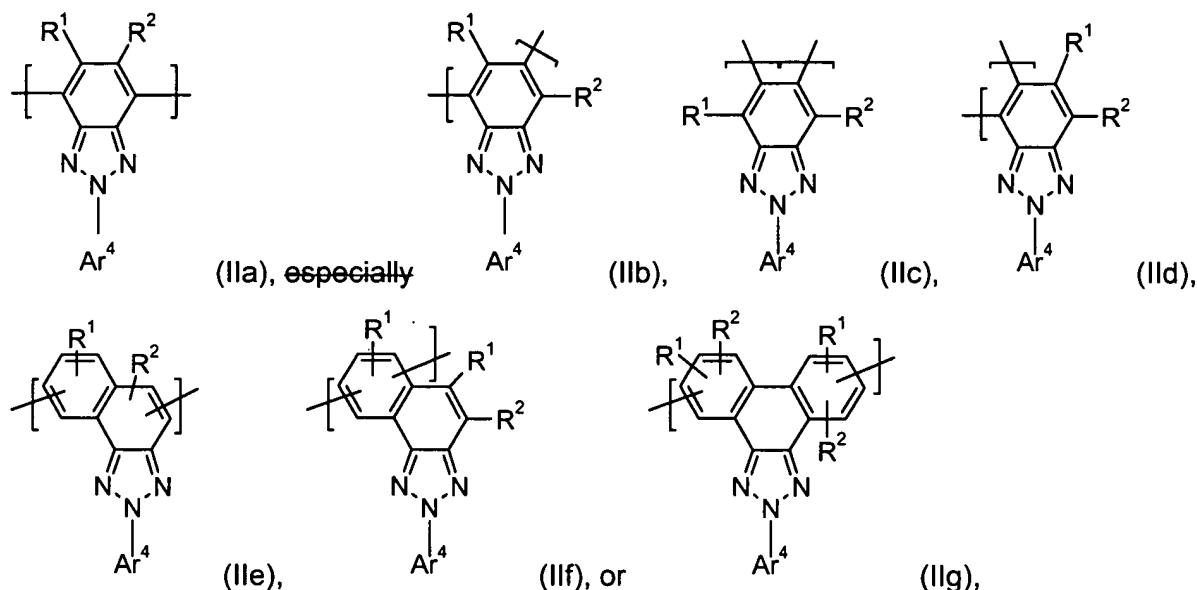
$R^{27}$  and  $R^{28}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

$R^{29}$  is H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

$R^{30}$  and  $R^{31}$  are independently of each other  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, and

$R^{32}$  is  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl.

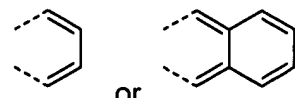
**3. (currently amended):** A polymer according to claim 1, comprising a repeating unit of the formula



wherein  $Ar^4$  is as defined in claim 1,

$R^1$  and  $R^2$  are independently of each other H, halogen,  $SO_3^-$ ,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_1$ - $C_{18}$ perfluoroalkyl,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ - $C_{20}$ heteroaryl which is substituted by G,  $C_2$ - $C_{18}$ alkenyl,  $C_2$ - $C_{18}$ alkynyl,  $C_1$ - $C_{18}$ alkoxy,  $C_1$ - $C_{18}$ alkoxy which is substituted by E and/or interrupted by D,  $C_7$ - $C_{25}$ aralkyl, or  $-CO-R^{28}$ ,

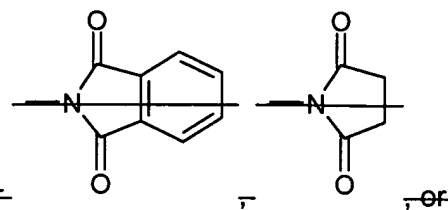
or two substituents  $R^1$  and  $R^2$ , which are adjacent to each other, are a group



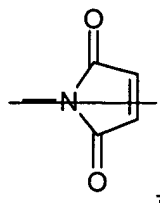
D is  $-CO-$ ;  $-COO-$ ;  $-S-$ ;  $-SO-$ ;  $-SO_2-$ ;  $-O-$ ;  $-NR^{25}-$ ;  $-SiR^{30}R^{31}-$ ;  $-POR^{32}-$ ;  $-CR^{23}=CR^{24}-$ ; or  $-C\equiv C-$ ; and

E is  $-OR^{29}$ ;  $-SR^{29}$ ;  $-NR^{25}R^{26}$ ;  $-COR^{28}$ ;  $-COOR^{27}$ ;  $-CONR^{25}R^{26}$ ;  $-CN$ ;  $-OCOOR^{27}$ ; or halogen; G is E, or  $C_1$ - $C_{18}$ alkyl, wherein

$R^{23}$ ,  $R^{24}$ ,  $R^{25}$  and  $R^{26}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ; or



$R^{25}$  and  $R^{26}$  together form a five or six membered ring, in particular



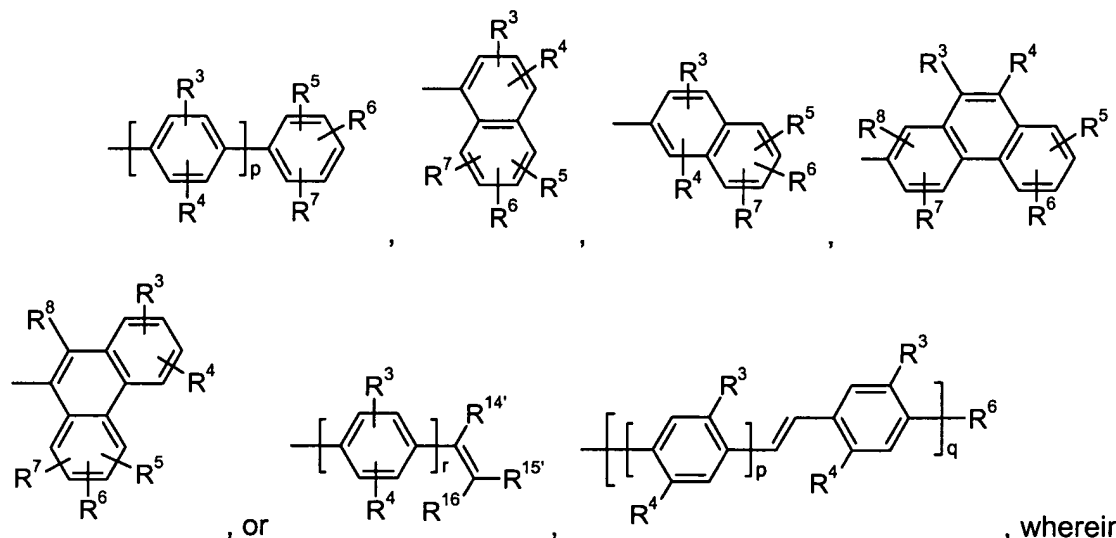
$R^{27}$  and  $R^{28}$  are independently of each other H;  $C_6-C_{18}$ aryl;  $C_6-C_{18}$ aryl which is substituted by  $C_1-C_{18}$ alkyl, or  $C_1-C_{18}$ alkoxy;  $C_1-C_{18}$ alkyl; or  $C_1-C_{18}$ alkyl which is interrupted by  $-O-$ ,

$R^{29}$  is H;  $C_6-C_{18}$ aryl;  $C_6-C_{18}$ aryl, which is substituted by  $C_1-C_{18}$ alkyl, or  $C_1-C_{18}$ alkoxy;  $C_1-C_{18}$ alkyl; or  $C_1-C_{18}$ alkyl which is interrupted by  $-O-$ ,

$R^{30}$  and  $R^{31}$  are independently of each other  $C_1-C_{18}$ alkyl,  $C_6-C_{18}$ aryl, or  $C_6-C_{18}$ aryl, which is substituted by  $C_1-C_{18}$ alkyl, and

$R^{32}$  is  $C_1-C_{18}$ alkyl,  $C_6-C_{18}$ aryl, or  $C_6-C_{18}$ aryl, which is substituted by  $C_1-C_{18}$ alkyl.

**4. (currently amended):** A polymer according to claim 3, wherein  $Ar^4$  is a group of formula




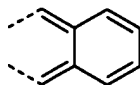
$p$  is an integer from 1 to 10, especially 1, 2 or 3,

$q$  is an integer from 1 to 10, especially 1, 2 or 3,

$r$  is an integer of 0 to 10, in particular 0, 1, 2 or 3,

$R^3$  to  $R^8$  are independently of each other H, halogen,  $SO_3^-$ ,  $C_1-C_{18}$ alkyl,  $C_1-C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6-C_{24}$ aryl,  $C_6-C_{24}$ aryl which is substituted by G,  $C_2-C_{20}$ heteroaryl,  $C_2-$

C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, C<sub>7</sub>-C<sub>25</sub>aralkyl, or -CO-R<sup>28</sup>, or

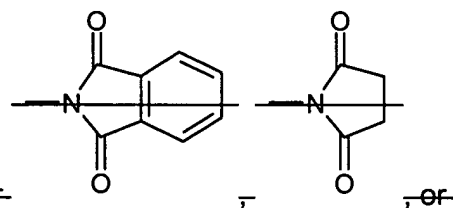
two substituents R<sup>3</sup> to R<sup>8</sup>, which are adjacent to each other, are a group , or , and

R<sup>14'</sup> and R<sup>15'</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, or C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G,

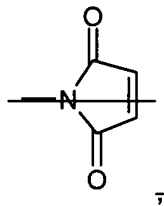
R<sup>16</sup> is C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, which optionally can be substituted, wherein

D is -CO-; -COO-; -S-; -SO-; -SO<sub>2</sub>-; -O-; -NR<sup>25</sup>-; -SiR<sup>30</sup>R<sup>31</sup>-; -POR<sup>32</sup>-; -CR<sup>23</sup>=CR<sup>24</sup>-; or -C≡C-; and E is -OR<sup>29</sup>; -SR<sup>29</sup>; -NR<sup>25</sup>R<sup>26</sup>; -COR<sup>28</sup>; -COOR<sup>27</sup>; -CONR<sup>25</sup>R<sup>26</sup>; -CN; -OCOOR<sup>27</sup>; or halogen; G is E, or C<sub>1</sub>-C<sub>18</sub>alkyl, wherein

R<sup>23</sup>, R<sup>24</sup>, R<sup>25</sup> and R<sup>26</sup> are independently of each other H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-; or



R<sup>25</sup> and R<sup>26</sup> together form a five or six membered ring, in particular



R<sup>27</sup> and R<sup>28</sup> are independently of each other H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-,

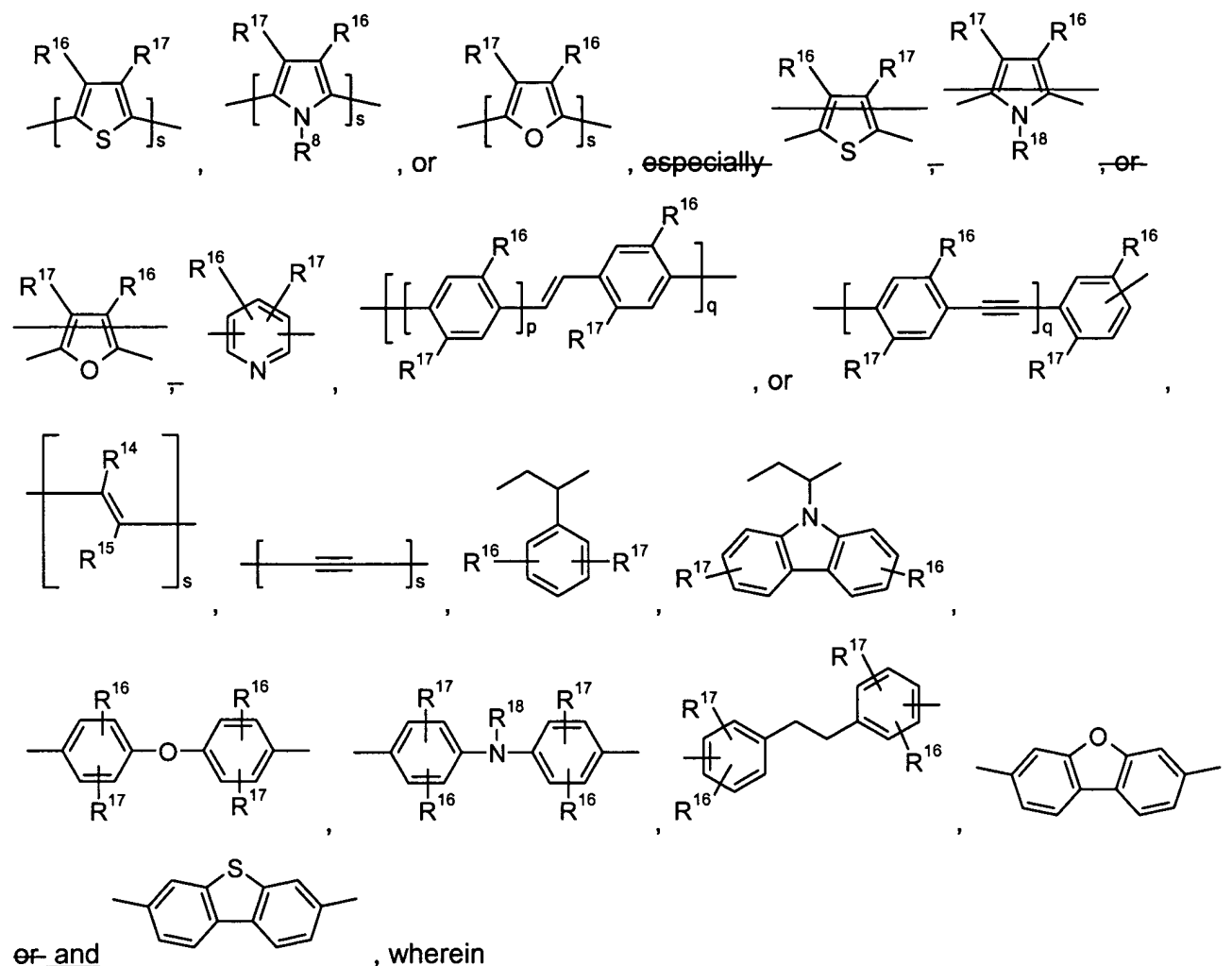
R<sup>29</sup> is H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl, which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-,

R<sup>30</sup> and R<sup>31</sup> are independently of each other C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>6</sub>-C<sub>18</sub>aryl, or C<sub>6</sub>-C<sub>18</sub>aryl, which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, and

R<sup>32</sup> is C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>6</sub>-C<sub>18</sub>aryl, or C<sub>6</sub>-C<sub>18</sub>aryl, which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl.

**5. (currently amended):** A polymer according to ~~any of claims 1 to 4~~ claim 1, comprising an additional repeating unit T which is selected from the group consisting of





p is an integer from 1 to 10, ~~especially 1, 2 or 3,~~

q is an integer from 1 to 10, ~~especially 1, 2 or 3,~~

s is an integer from 1 to 10, ~~especially 1, 2 or 3,~~

R<sup>14</sup> and R<sup>15</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, or C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G,

R<sup>16</sup> and R<sup>17</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, or C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, C<sub>7</sub>-C<sub>25</sub>aralkyl, or -CO-R<sup>28</sup>,

R<sup>18</sup> is H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-;

R<sup>19</sup> and R<sup>20</sup> are independently of each other C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl

which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, or C<sub>7</sub>-C<sub>25</sub>aralkyl, or

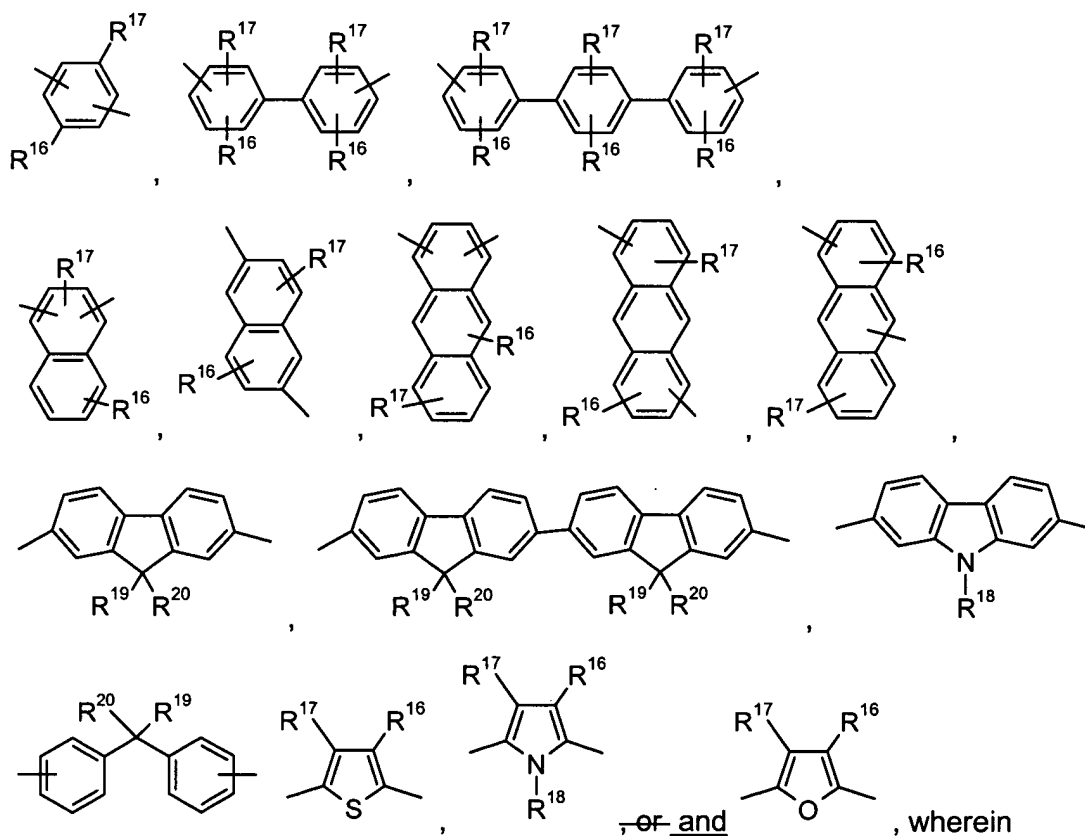
R<sup>19</sup> and R<sup>20</sup> together form a group of formula =CR<sup>100</sup>R<sup>101</sup>, wherein

R<sup>100</sup> and R<sup>101</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, or C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, or

R<sup>19</sup> and R<sup>20</sup> form a ring, ~~especially a five- or six-membered ring~~, which can optionally be substituted, and

D, E and G are as defined in claim 2.

**6. (currently amended):** A polymer according to claim 5, wherein T is selected from the group consisting of



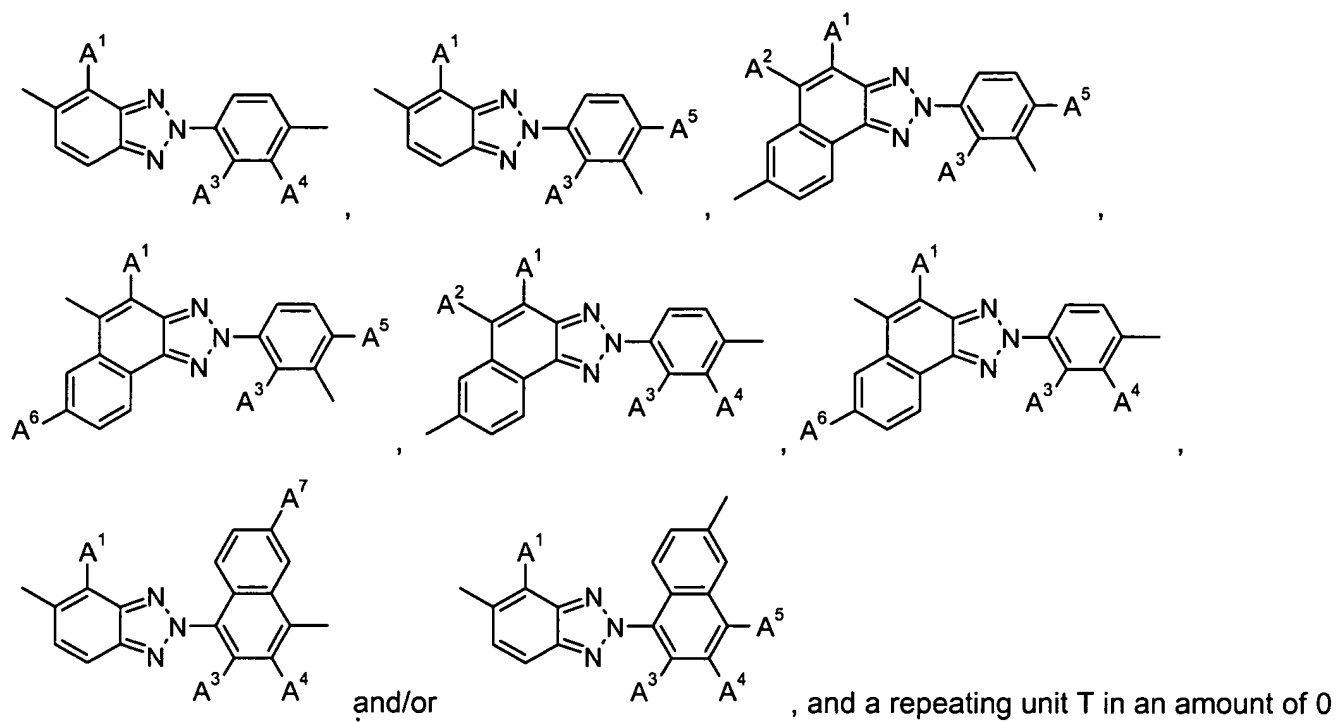
R<sup>18</sup> is C<sub>1</sub>-C<sub>18</sub>alkyl, and

R<sup>19</sup> and R<sup>20</sup> are independently of each other C<sub>1</sub>-C<sub>18</sub>alkyl, especially C<sub>4</sub>-C<sub>12</sub>alkyl, which can be interrupted by one or two oxygen atoms, or

R<sup>19</sup> and R<sup>20</sup> form a five or six membered carbocyclic ring, which optionally can be substituted by C<sub>1</sub>-C<sub>4</sub>alkyl.



**7. (currently amended):** A polymer according to ~~any of claims 1 to 6~~ claim 1, comprising a repeating unit of the formula



to 99.5 mol%, ~~especially in an amount of 40 to 80 mol%~~, wherein the sum of the repeating unit(s) and the co-monomer is 100 mol%, wherein

A<sup>1</sup> is hydrogen, or C<sub>1</sub>-C<sub>18</sub>alkyl,

A<sup>2</sup> is hydrogen, or C<sub>1</sub>-C<sub>18</sub>alkyl,

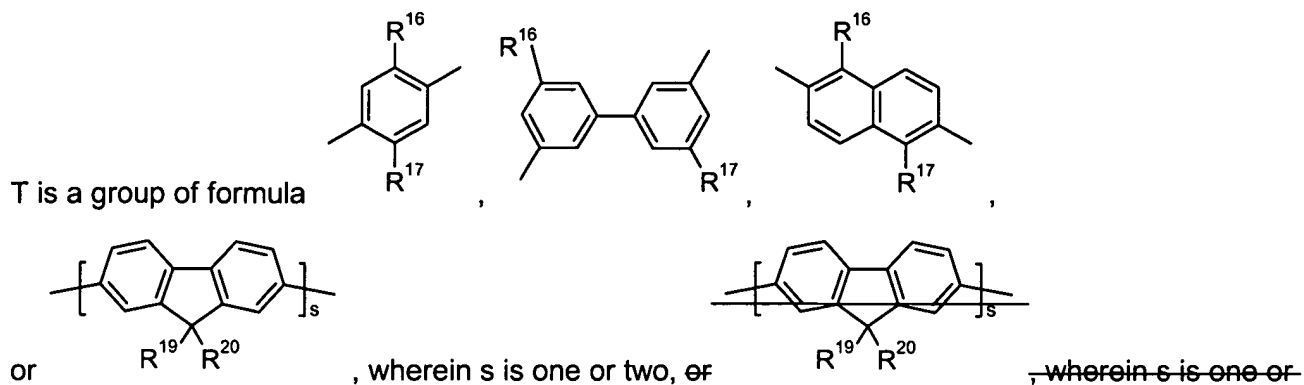
A<sup>3</sup> is hydrogen, or C<sub>1</sub>-C<sub>18</sub>alkoxy, or C<sub>1</sub>-C<sub>18</sub>alkyl,

A<sup>4</sup> is hydrogen, or C<sub>1</sub>-C<sub>18</sub>alkyl,

A<sup>5</sup> is hydrogen, C<sub>1</sub>-C<sub>18</sub>alkyl, di(C<sub>1</sub>-C<sub>18</sub>alkyl)amino, or C<sub>1</sub>-C<sub>18</sub>alkoxy,

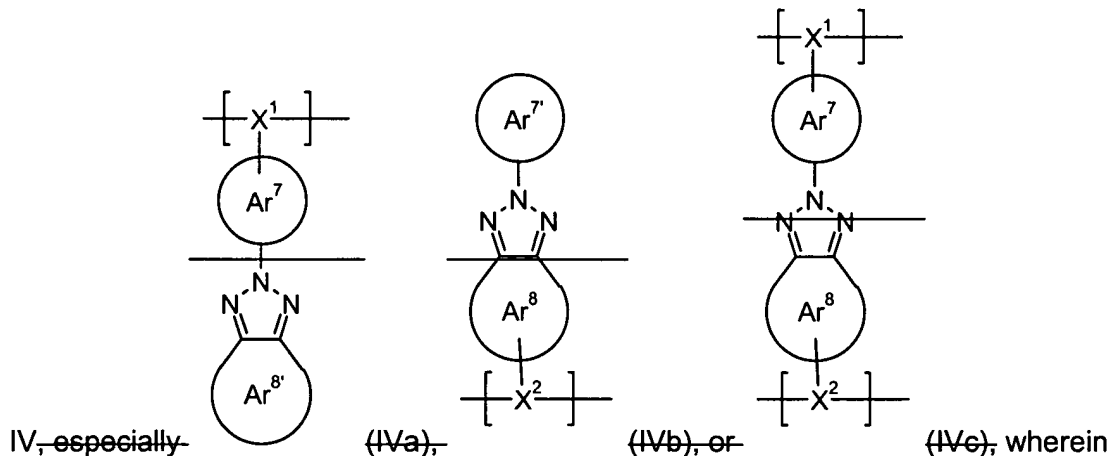
A<sup>6</sup> is hydrogen, or C<sub>1</sub>-C<sub>18</sub>alkyl,

A<sup>7</sup> is hydrogen, C<sub>1</sub>-C<sub>18</sub>alkyl or C<sub>1</sub>-C<sub>18</sub>alkoxy, and

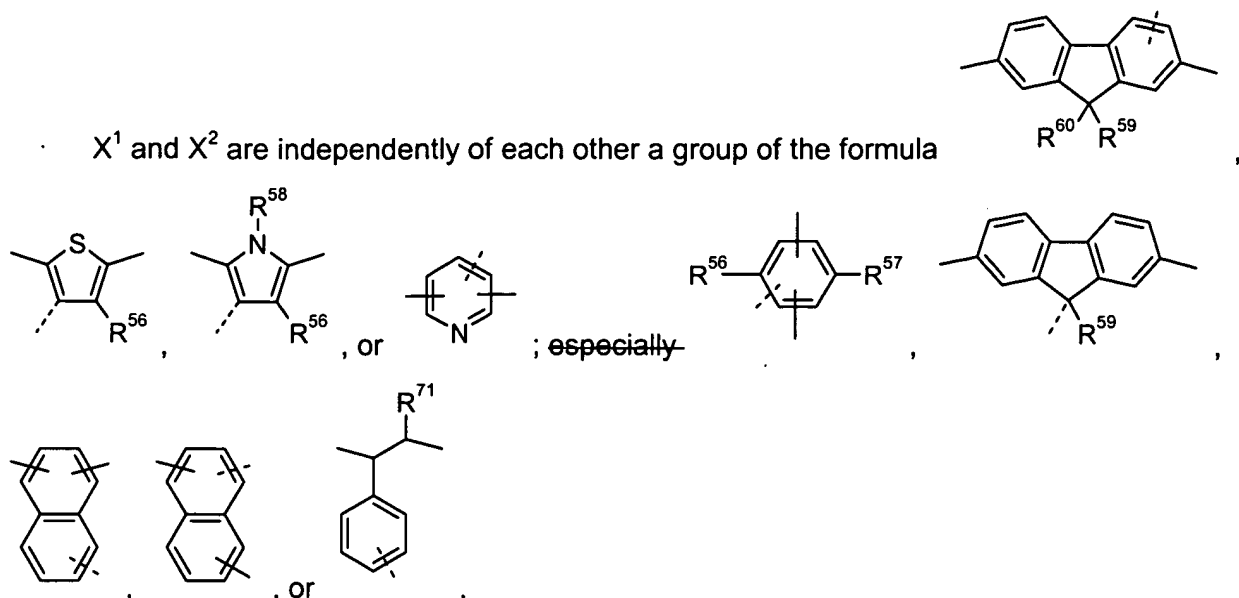


$R^{16}$  and  $R^{17}$  are independently of each other  $C_1$ - $C_{18}$ alkyl, especially  $C_4$ - $C_{12}$ alkyl, especially hexyl, heptyl, 2-ethylhexyl, and octyl, which can be interrupted by one or two oxygen atoms,  $C_1$ - $C_{18}$ alkoxy, especially  $C_4$ - $C_{12}$ alkoxy, especially hexyloxy, heptyloxy, 2-ethylhexyloxy, and octyloxy, which can be interrupted by one or two oxygen atoms and  $R^{19}$  and  $R^{20}$  are independently of each other  $C_1$ - $C_{18}$ alkyl, especially  $C_4$ - $C_{12}$ alkyl, especially hexyl, heptyl, 2-ethylhexyl, and octyl, which can be interrupted by one or two oxygen atoms.

**8. (currently amended):** A polymer according to claim 1, comprising a repeating unit of the formula



$Ar^7$ ,  $Ar^8$ ,  $Ar^{8'}$  and  $Ar^{8''}$  are independently of each other a  $C_6$ - $C_{30}$ aryl group, or a  $C_2$ - $C_{26}$ heteroaryl group, which can optionally be substituted,



wherein the dotted line represent the bond to the benzotriazole unit,

$R^{56}$  and  $R^{57}$  are independently of each other H,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ - $C_{20}$ heteroaryl which is substituted by G,  $C_2$ - $C_{18}$ alkenyl,  $C_2$ - $C_{18}$ alkynyl,  $C_1$ - $C_{18}$ alkoxy,  $C_1$ - $C_{18}$ alkoxy which is substituted by E and/or interrupted by D, or  $C_7$ - $C_{25}$ aralkyl,

$R^{58}$  is H,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl, or  $C_7$ - $C_{25}$ aralkyl,

$R^{59}$  and  $R^{60}$  are independently of each other H,  $C_1$ - $C_{18}$  alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ - $C_{20}$ heteroaryl which is substituted by G,  $C_2$ - $C_{18}$ alkenyl,  $C_2$ - $C_{18}$ alkynyl,  $C_1$ - $C_{18}$ alkoxy,  $C_1$ - $C_{18}$ alkoxy which is substituted by E and/or interrupted by D, or  $C_7$ - $C_{25}$ aralkyl, or

$R^{59}$  and  $R^{60}$  form a ring, ~~especially a five- or six-membered ring~~, which can optionally be substituted,

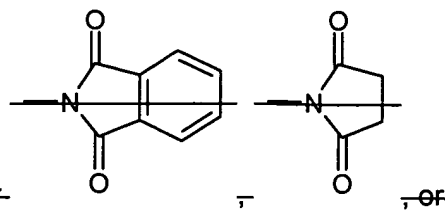
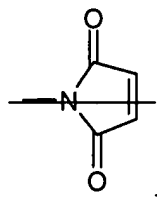
$R^{71}$  is H,  $C_1$ - $C_{18}$ alkyl,  $-C\equiv N$ ,  $-CONR^{25}R^{26}$  or  $-COOR^{27}$ ,

D is  $-CO-$ ;  $-COO-$ ;  $-OCOO-$ ;  $-S-$ ;  $-SO-$ ;  $-SO_2-$ ;  $-O-$ ;  $-NR^{25}-$ ;  $-SiR^{30}R^{31}-$ ;  $-POR^{32}-$ ;  $-CR^{23}=CR^{24}-$ ; or  $-C\equiv C-$ ; and

E is  $-OR^{29}$ ;  $-SR^{29}$ ;  $-NR^{25}R^{26}$ ;  $-COR^{28}$ ;  $-COOR^{27}$ ;  $-CONR^{25}R^{26}$ ;  $-CN$ ;  $-OCOR^{27}$ ; or halogen; G is E, or  $C_1$ - $C_{18}$ alkyl, wherein

$R^{23}$ ,  $R^{24}$ ,  $R^{25}$  and  $R^{26}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ; or

$R^{25}$  and  $R^{26}$  together form a five or six membered ring, in particular



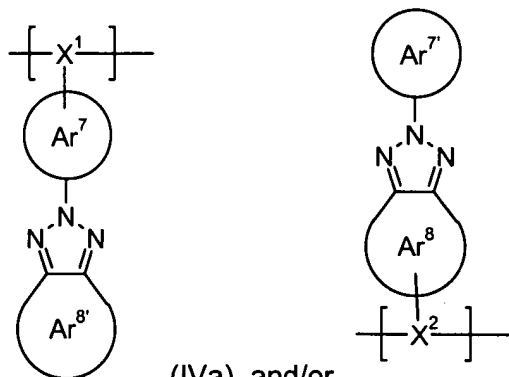
$R^{27}$  and  $R^{28}$  are independently of each other H;  $C_6-C_{18}$ aryl;  $C_6-C_{18}$ aryl which is substituted by  $C_1-C_{18}$ alkyl, or  $C_1-C_{18}$ alkoxy;  $C_1-C_{18}$ alkyl; or  $C_1-C_{18}$ alkyl which is interrupted by  $-O-$ , and

$R^{29}$  is H;  $C_6-C_{18}$ aryl;  $C_6-C_{18}$ aryl which is substituted by  $C_1-C_{18}$ alkyl,  $C_1-C_{18}$ alkoxy;  $C_1-C_{18}$ alkyl; or  $C_1-C_{18}$ alkyl which is interrupted by  $-O-$ ,

$R^{30}$  and  $R^{31}$  are independently of each other  $C_1-C_{18}$ alkyl,  $C_6-C_{18}$ aryl, or  $C_6-C_{18}$ aryl, which is substituted by  $C_1-C_{18}$ alkyl, and

$R^{32}$  is  $C_1-C_{18}$ alkyl,  $C_6-C_{18}$ aryl, or  $C_6-C_{18}$ aryl, which is substituted by  $C_1-C_{18}$ alkyl.

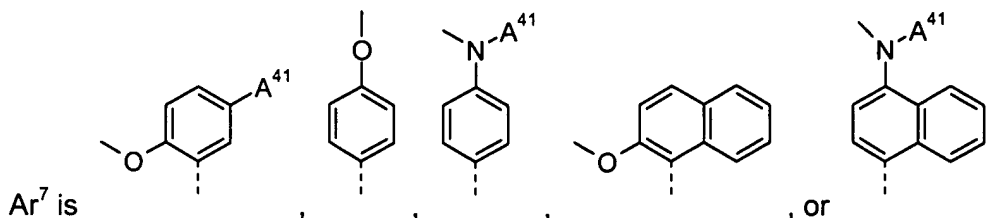
**9. (currently amended):** A polymer according to claim 8, comprising a repeating unit of the formula

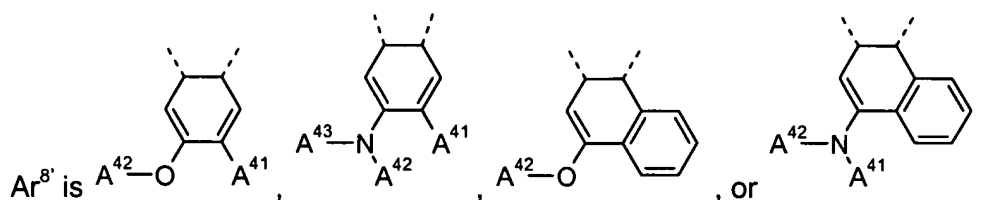
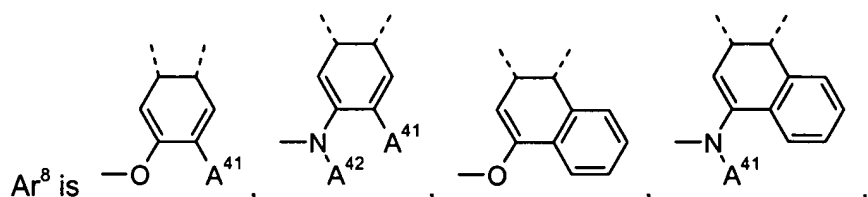
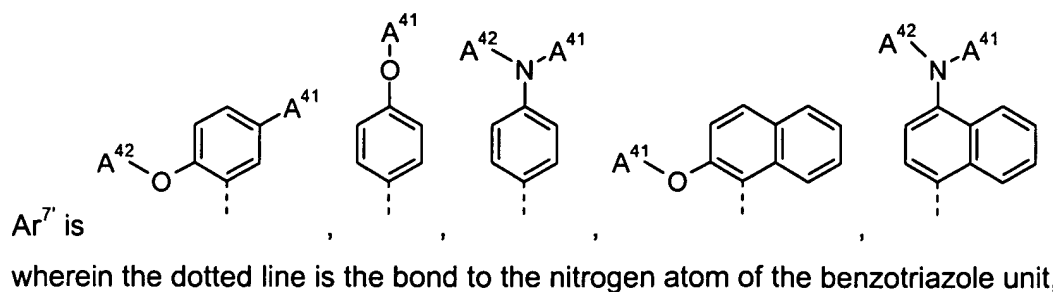


(IVa), and/or

(IVb), and a repeating unit T in an amount of 0 to 99.5 mol%,

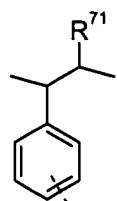
~~especially in an amount of 40 to 80 mol%,~~ wherein the sum of the repeating unit(s) and the co-monomer is 100 mol%, wherein





wherein the dotted lines are the bonds to the nitrogen atoms of the benzotriazole unit,  
A<sup>41</sup> is hydrogen, C<sub>1</sub>-C<sub>18</sub>alkoxy, or C<sub>1</sub>-C<sub>18</sub>alkyl, ~~such as methyl, ethyl, n-propyl, iso-propyl, n-butyl, isobutyl, sec-butyl, t-butyl, 2-methylbutyl, n-pentyl, isopentyl, n-hexyl, 2-ethylhexyl, or n-heptyl,~~  
A<sup>42</sup> is hydrogen, or C<sub>1</sub>-C<sub>18</sub>alkyl, ~~such as methyl, ethyl, n-propyl, iso-propyl, n-butyl, isobutyl, sec-butyl, t-butyl, 2-methylbutyl, n-pentyl, isopentyl, n-hexyl, 2-ethylhexyl, or n-heptyl,~~  
A<sup>43</sup> is hydrogen, or C<sub>1</sub>-C<sub>18</sub>alkyl, ~~such as methyl, ethyl, n-propyl, iso-propyl, n-butyl, isobutyl, sec-butyl, t-butyl, 2-methylbutyl, n-pentyl, isopentyl, n-hexyl, 2-ethylhexyl, or n-heptyl,~~

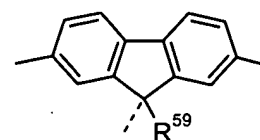
X<sup>1</sup> and X<sup>2</sup> are independently of each other a group of the formula



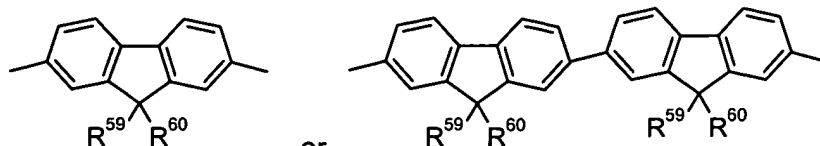
, wherein the dotted line represent the bond to the benzotriazole unit,

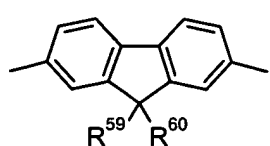
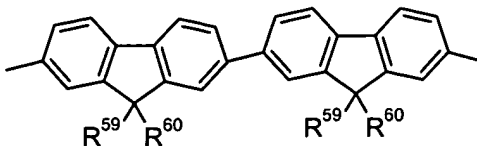
R<sup>71</sup> is H, C<sub>1</sub>-C<sub>18</sub>alkyl, -C≡N, or -COOR<sup>27</sup>, wherein

R<sup>27</sup> is H; or C<sub>1</sub>-C<sub>18</sub>alkyl, which can be interrupted by one or more oxygen atoms, ~~especially C<sub>4</sub>-C<sub>12</sub>alkyl, which can be interrupted by one or two oxygen atoms, and~~



, or



T is a group of formula , or , wherein R<sup>59</sup> and R<sup>60</sup> are independently of each other C<sub>1</sub>-C<sub>18</sub>alkyl, ~~especially C<sub>4</sub>-C<sub>12</sub>alkyl,~~ which can be interrupted by one or two oxygen atoms.

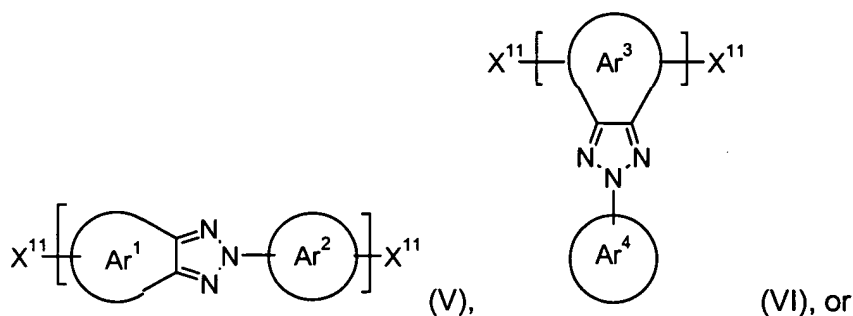
**10. (currently amended):** An optical device or a component therefore, comprising a substrate and a polymer according to ~~any of claims 1 to 9~~ claim 1.

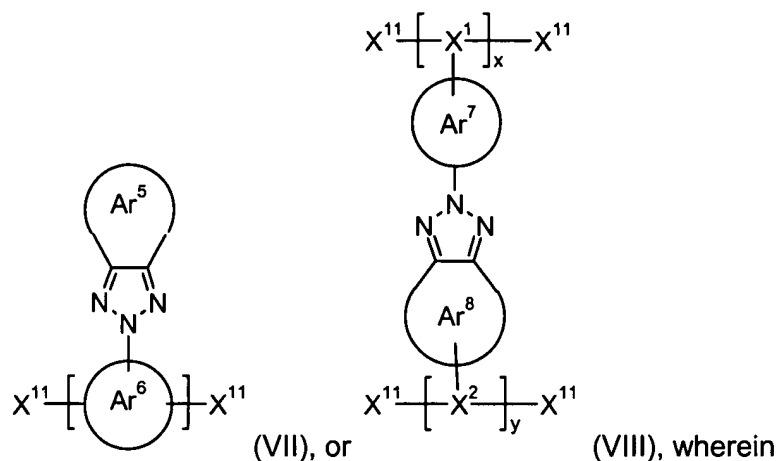
**11. (original):** An optical device according to claim 10, wherein the optical device comprises an electroluminescent device.

**12. (currently amended):** An optical device according to claim 11, wherein the electroluminescent device comprises

- (a) a reflective or transmissive anode
- (b) a reflective or transmissive cathode
- (c) an emissive layer comprising a polymer according to ~~any of claims 1 to 9~~ claim 1 located between the electrodes, and optionally
- (d) a charge injecting layer for injecting positive charge carriers, and
- (e) a charge injecting layer for injecting negative charge carriers.

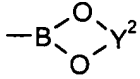
**13. (currently amended):** A monomer of the formula





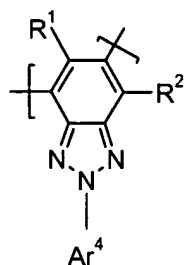
x and y are 0 or 1,

Ar<sup>1</sup>, Ar<sup>2</sup>, Ar<sup>3</sup>, Ar<sup>4</sup>, Ar<sup>5</sup>, Ar<sup>6</sup>, Ar<sup>7</sup> and Ar<sup>8</sup> are independently of each other an aryl group, or a heteroaryl group, which optionally can be substituted, ~~especially a C<sub>6</sub>-C<sub>30</sub>aryl group, or a C<sub>2</sub>-C<sub>26</sub>heteroaryl group,~~ which can optionally be substituted, and

X<sup>11</sup> is independently in each occurrence a halogen atom, or -B(OH)<sub>2</sub>, -B(OY<sup>1</sup>)<sub>2</sub> or , wherein Y<sup>1</sup> is independently in each occurrence a C<sub>1</sub>-C<sub>10</sub>alkyl group and Y<sup>2</sup> is independently in each occurrence a C<sub>2</sub>-C<sub>10</sub>alkylene group, ~~such as -CY<sup>3</sup>Y<sup>4</sup>-CY<sup>5</sup>Y<sup>6</sup>-, or -CY<sup>7</sup>Y<sup>8</sup>-CY<sup>9</sup>Y<sup>10</sup>-CY<sup>11</sup>Y<sup>12</sup>-, wherein Y<sup>3</sup>, Y<sup>4</sup>, Y<sup>5</sup>, Y<sup>6</sup>, Y<sup>7</sup>, Y<sup>8</sup>, Y<sup>9</sup>, Y<sup>10</sup>, Y<sup>11</sup> and Y<sup>12</sup> are independently of each other hydrogen, or a which may be substituted by one or more C<sub>1</sub>-C<sub>10</sub>alkyl groups, ~~especially -C(CH<sub>3</sub>)<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>-, or -C(CH<sub>3</sub>)<sub>2</sub>CH<sub>2</sub>C(CH<sub>3</sub>)<sub>2</sub>-.~~~~

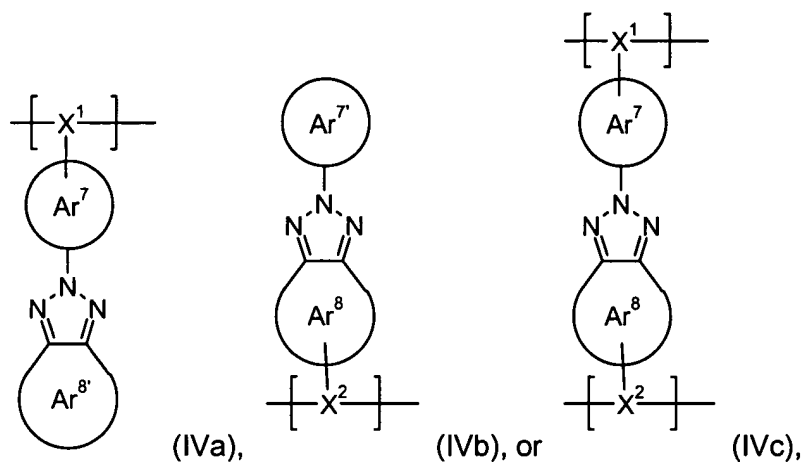
**14. (new):** A polymer according to claim 1, wherein Ar<sup>1</sup>, Ar<sup>2</sup>, Ar<sup>3</sup>, Ar<sup>4</sup>, Ar<sup>5</sup>, Ar<sup>6</sup>, Ar<sup>7</sup> and Ar<sup>8</sup> are independently of each other a C<sub>6</sub>-C<sub>30</sub>aryl group which can optionally be substituted, or a C<sub>2</sub>-C<sub>26</sub>heteroaryl group, which can optionally be substituted.

**15. (new):** A polymer according to claim 3, comprising a repeating unit of the formula



**15. (new):** A polymer according to claim 4, wherein p is 1, 2 or 3, q is 1, 2 or 3 and r is 0, 1, 2 or 3.

**17. (new):** A polymer according to claim 8, wherein the a repeating unit of the formula IV is selected from formula IVa, IVb and IVc



wherein

$Ar^7$ ,  $Ar^8$  and  $Ar^{8'}$  are independently of each other a  $C_6$ - $C_{30}$ aryl group, or a  $C_2$ - $C_{26}$ heteroaryl group, which can optionally be substituted.

**18. (new):** A monomer according to claim 13, wherein  $Ar^1$ ,  $Ar^2$ ,  $Ar^3$ ,  $Ar^4$ ,  $Ar^5$ ,  $Ar^6$ ,  $Ar^7$  and  $Ar^8$  are independently of each other a  $C_6$ - $C_{30}$ aryl group which can optionally be substituted, or a  $C_2$ - $C_{26}$ heteroaryl group, which can optionally be substituted.